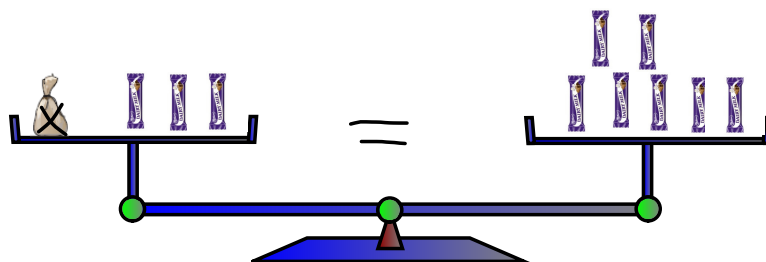
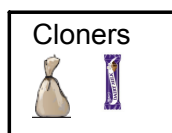
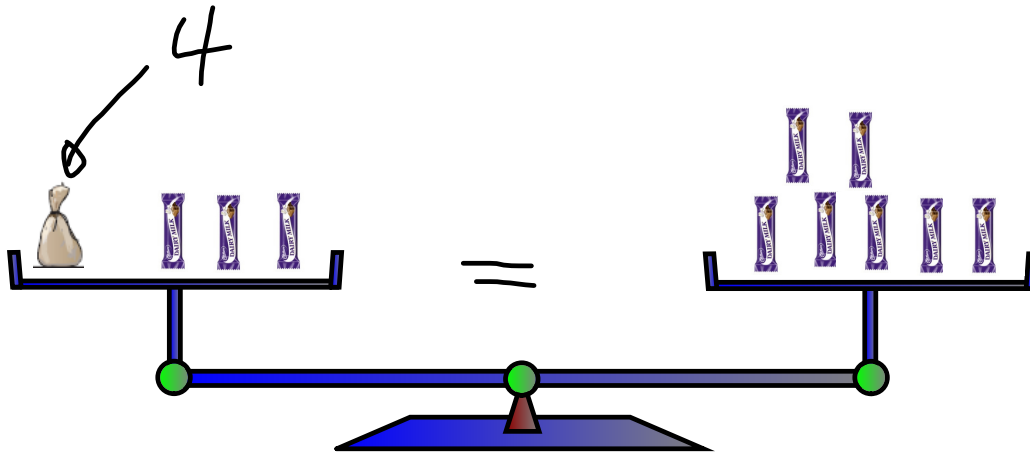


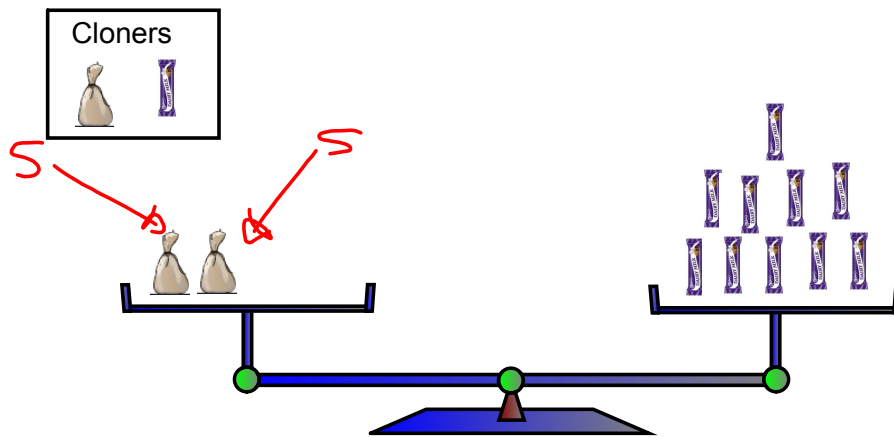
L7 (7.7) Solving Equations (One-Step Equations)

Can you figure out how many Dairy Milk chocolate bars are in the bag?



Can we model the above with an equation?

$$\begin{aligned}
 x + 3 &= 7 \\
 x + 3 - 3 &= 7 - 3 \\
 x &= 7 - 3 \\
 \boxed{x} &= 4
 \end{aligned}$$



How many Dairy Milk chocolate bars are in a single bag?

5

Can you model the above with an equation?

$$\frac{2x}{2} = \frac{10}{2}$$

$$x = 5$$

L7 (7.7) Solving Equations (One-Step Equations)

Note: Balance each side of the equal sign.

Ex. 1: Solve each equation.

a) $x + 5 = 12$

$$x + 5 - 5 = 12 - 5$$

$$x = 7$$

b) $x - 6 = -8$

$$x - 6 + 6 = -8 + 6$$

$$x = -2$$

c) $\frac{3x}{3} = \frac{-15}{3}$

$$x = -5$$

d) $\frac{x}{7} = 4$

$$7 \cdot \frac{x}{7} = 4 \cdot 7$$

$$x = 28$$

Assigned Work:

One-Step Equations Sheet